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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Steffen GOLETZ et al.

Serial No.: 10/540,479

Group Art Unit: 1645

Filed: June 28, 2005

Examiner: Unknown

For: RECOGNITION MOLECULES FOR THE TREATMENT AND DETECTION OF TUMOURS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§ 1.56, 1.97 and 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This information disclosure statement is made in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98 as follows:

Timing and Fees

- ☒ Under 37 C.F.R. § 1.97(b), no fee or statement is required for filing this information disclosure statement is filed:
- ☐ within three months of the filing date of a national application other than a CPA under § 1.53(d);
 - ☐ within three months of the actual filing date of the national phase of a PCT application; OR
 - ☒ before the mailing of a first substantive office action (including after filing of an RCE).
- ☐ Under 37 C.F.R. § 1.97(c), this information disclosure statement is filed after the periods specified in 37 C.F.R. § 1.97(b), but before the mailing date of:
- a final rejection under 37 C.F.R. 1.113;
 - termination of prosecution, e.g. Ex Parte Quayle, M.P.E.P § 609(B)(2); OR
 - a notice of allowance under 37 C.F.R. § 1.311; and

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is accompanied by:

- ☐ the statement as specified in 37 C.F.R. § 1.97(e) set out below; OR
- ☐ a check covering the fee of \$180.00 under 37 C.F.R. § 1.17(p).

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- ☐ OR a notice of allowance under 37 C.F.R. § 1.311;

AND is filed on or before payment of the issue fee; AND is accompanied by:

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Statements Under 37 C.F.R. 1.97(e)

- ☐ Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application having a mailing date not more than three months prior to the filing date of this information disclosure statement; or
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned attorney after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing date of the information disclosure statement.

Cited Materials

- ☐ Copies of materials listed but not attached were cited in benefit (35 U.S.C. § 120) ancestor application Serial No. _____, on Form 892 by the Examiner and/or Form 1449 by the applicant; see 37 C.F.R. § 1.98(d).
- ☐ Copies of materials listed but not attached were cited in an international search report dated _____.
- ☒ Not required by 37 CFR § 1.98.
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Non-English Language References

- ☐ An English-language search report or equivalent paper from a foreign patent office is provided indicating the relevance of the cited reference(s).
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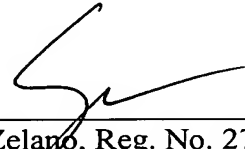
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- ☐ Please charge to Deposit Account No. 13-3402 \$_____ for the fee identified above.

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Respectfully submitted,



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Attorney Docket No.: GULDE-0063

Date: September 20, 2006

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Sheet

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of

3

Complete if Known

Application Number

10/540.479

Filing Date

June 23, 2005

First Named Inventor

Steffen GOLETZ et al.

Group Art Unit

1645

Examiner Name

Unknown

Attorney Docket Number

GULDE-0063

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Signature**

Date Considered

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. Number refers to English language corresponding family member.

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Examiner Name	Unknown
Attorney Docket Number	GULDE-0063

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T. ²
	C1	BOEL, E. et al., "Functional human monoclonal antibodies of all isotypes constructed from phage display library-derived single-chain Fv antibody fragments," Journal of Immunological Methods, 2000, vol. 239, pgs. 153-166.	
	C2	BRECHBIEL, M.W. et al., "Synthesis on 1-(p-Isothiocyanatobenzyl) derivatives of DTPA and EDTA: Antibody labeling and tumor-imaging studies," Inorg. Chem., 1986, vol. 25, pgs. 2772-2781.	
	C3	CHOTHIA, C. et al., "The predicated structure of immunoglobulin D1.3 and its comparison with the crystal structure," Science Reports, 15 Aug. 1986, vol. 233, pgs. 755-758.	
	C4	CHOTHIA, C. et al., "Conformations of immunoglobulin hypervariable regions," Nature, 21/28 Dec. 1989, vol. 342, pgs. 877-883.	
	C5	CHOTHIA, C. et al., "Structural repertoire of the human Vh segments," Journal of Molecular Biology, 1992, vol. 227, pgs. 799-817.	
	C6	CHOTHIA, C. et al., "Canonical structures for the hypervariable regions of immunoglobulins," Journal of Molecular Biology, 1987, vol. 196, pgs. 901-917.	
	C7	HERRERA, A.M. et al., "Efficiency of erythropoietin's signal peptide for HIVmn-1 gp 120 expression," Biochemical and Biophysical Research Communications, 2000, vol. 273, pgs. 557-559.	
	C8	DAI, J. et al., "Effect of desialylation on binding, affinity, and specificity of 56 monoclonal antibodies against MUC1 mucin," Tumor Biology, 1998, vol. 19 supp. 1, pgs. 100-110.	
	C9	HINODA, Y. et al., "Circulating tumor-associated antigens detected by monoclonal antibodies against the polypeptide core of mucin: comparison of antigen MUSE11 with CA15-3," Gastroenterologia Japonica, 1992, vol. 27 no. 3, pgs. 390-395.	
	C10	JENSEN, K.B. et al., "Functional improvement of antibody fragments using a novel phage coat protein III fusion system," Biochemical and Biophysical Research Communications, 2002, vol. 298, pgs. 566-573.	
	C11	KOZAK, R.W. et al., "Nature of the Bifunctional chelating agent used for radioimmunotherapy with Yttrium-90 monoclonal antibodies: Critical factors in determining 'in vivo' survival and organ toxicity," Cancer Research, 15 May 1989, vol. 49, pgs. 2639-2644.	

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	C12	LIAO, K. et al., "Design of transgenes for efficient expression of active chimeric proteins on mammalian cells," Biotechnol. Bioeng., 2000, vol. 73, pgs. 313-323.	
	C13	MARTIN, A.C.R. et al., "Structural families in loops of homologous proteins: Automatic classification, modeling and application to antibodies," Journal of Molecular Biology, 1996, vol. 263, pgs. 800-815.	
	C14	NUTTALL, S.D. et al., "Design and expression of soluble CTLA-4 variable domain as a scaffold for the display of functional polypeptides," Proteins: Structure, Function, and Genetics, 1999, vol. 36, pgs. 217-227.	
	C15	NYGREN, P. et al., "Scaffolds for engineering novel binding sites in proteins," Cur. Opin. Struc. Biol., 1997, vol. 7, pgs. 463-469/	
	C16	ROOMAN, M.J. et al., "Amino acid sequence templates derived from recurrent turn motifs in proteins: critical evaluation of their predictive power," Protein Engineering, 1989, vol. 3 no. 1, pgs. 23-27.	
	C17	SKERRA, A., "Engineered protein scaffolds for molecular recognition," Journal of Molecular Recognition, 2000, vol. 13, pgs. 167-187.	
	C18	STIMMEL, J.B. et al., "Yttrium-90 chelation properties of tetraazatetraacetic acid macrocycles, diethylenetriaminepentaacetic acid analogues, and a novel terpyridine acyclic chelator," Bioconjugate Chemistry, 1995, vol. 6, pgs. 219-225.	
	C19	TONYE LIBYH, M. et al., "A recombinant human scFv anti-Rh(D) antibody with multiple valences using a C-terminal fragment of C4-binding protein," Blood, 15 Nov. 1997, vol. 90 no. 10, pgs. 3978-3983.	
	C20	WU, S. et al., "Conformation of complementarity determining region L1 loop in murine IgG λ light chain extends the repertoire of canonical forms," Journal of Molecular Biology, 1993, vol. 229, pgs. 597-601.	

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